ALTERNATIVE TO PTO/SB/08a/b (07-05)

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Complete if Known	
Application Number	10/667,004
Filing Date	September 19, 2003
First Named Inventor	Selena CHAN
Art Unit	1634
Examiner Name	F. W. M. Lu
Attorney Docket Number	070702006420

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number: Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	4,683,195	07-1987	MULLIS	
	2.	4,683,202	07-1987	MULLIS	
	3.	4,800,159	01-1989	MULLIS	
	4.	5,401,511	03-1995	MARGALIT	
	5.	5,405,766	04-1995	KALLURY	
	6.	5,451,505	09-1995	DOLLINGER	
	7.	5,472,881	12-1995	BEEBE	
	8.	5,603,872	02-1997	MARGALIT	
	9.	5,610,287	03-1997	NIKIFOROV	
	10.	5,620,854	04-1997	HOLZRICHTER ET AL.	
	11.	5,776,674	07-1998	ULMER	
	12.	5,840,862	11-1998	BENSIMON et al.	
	13.	5,986,076	11-1999	ROTHSCHILD	
	14.	6,013,456	01-2000	KHAVAN-TAFTI	
	15.	6,054,327	04-2000	BENSIMON et al.	
	16.	6,187,823	02-2001	HADDON	
	17.	6,225,055	05-2001	BENSIMON et al.	
	18.	6,225,068	05-2001	WOLFRUM	
	19.	6,248,537	06-2001	BENSIMON	
	20.	6,258,401	07-2001	CROWLEY	
	21.	6,265,153	07-2001	BENSIMON et al.	
	22.	6,280,939	08-2001	ALLEN	
	23.	6,283,812	09-2001	JIN	
	24.	6,297,592	10-2001	GOREN	
	25.	6,303,094	10-2001	KUSUNOKI	
	26.	6,303,296	10-2001	BENSIMON et al.	
	27.	6,319,670	11-2001	SIGAL et al.	
	28.	6,344,319	02-2002	BENSIMON et al.	
	29.	6,358,375	03-2002	SCHWOB	
	30.	2003/014289	08-2003	SUNDARARAJAN et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	31.	WO 92/15709	09-1992	ABBOTT LABORATORIES		
	32.	WO 98/04740	02-1998	NANOSPHERE LLC		
	33.	WO 00/29617	05-2000	ADVANCED RESEARCH AND TECHNOLOGY INSTITUTE, INC.		
	34.	WO 00/68692	11-2000	QUANTUM DOT CORPORATION		
	35.	WO 01/25002	04-2001	SURROMED,INC.		
	36.	WO 02/32404	04-2002	CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS		

Examiner Signature		Date Considered	4/12/2007

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	37.	Adjari, et al. (1991). "Free-floe Electrophoresis with Trapping by a Transverse Inhomogeneous Field," *Proc. Natl. Acad. Sci.* 88:4468-4471	
	38.	Ando, et al. (2001). "A High-Speed Atomic Force Microscope for Studying Biological Macromolecules," *PNAS* 98(22):12468-12472	
	39.	Bensimon, et al. (1994). "Alignment and Sensitive Detection of DNA by a Moving Interface," *Science* 265:2096-2098	
	40.	Bensimon, et al. (1995). "Stretching DNA with a Receding Meniscus: Experiments and Models," *Physical Review Letters* 74(23):4754-4757	
	41.	Clauss, et al. (1998). "Atomic resolution STM Imaging of a twisted Single-Wall Carbon Nanotube," *Physical Review B* 58(8):4266-4269	
	42.	Clauss, et al. (1999). "Electron Backscattering on Single-Wall Carbon Nanotubes Observed by Scanning Tunneling Microscopy," *Europhys Lett.* 47(5):601-607	
	43.	Freitag, et al. (2000). "Local Electronic Properties of a Single-Wall nanotube circuits Measured by Conducting-Tip AFM, "*Physical Review B* 62(4):2307-2310	
	44.	Frisbie, et al. (1994). "Functional Group Imaging by Chemical Force Microscopy," *Science* 263:2071-2074	
	45.	Gerdes et al. (1999). "Combing a Carbon Nanotube on a Flat Metal-Insulator-Metal Nanojunction, " *Europhys Lett.* 48(3):292-298	
	46.	Herrick et al. (2000). "Quantifying Single Genre Copy Number by Measuring Fluorescent Probe Lengths on Combed Genomic DNA," *PNAS* 97(1):222-227	
	47.	Hirahara et al. (2000). "One-Dimensional Metallofullerene Crystal Generated Inside Single-Walled Carbon Nanotubes," *Physical Review Letters* 85(25):5384-5387	
	48.	Hu et al. (1996). "Imaging of Single Extended DNA Molecules on Flate (Aminopropyl)triethoxysilane Mica by Atomic Force Microscopy," *Langmuir* 12(7):1697-1700	
	49.	Huang et al. (2001) "Directed Assembly of One-Dimensional Nanostructures into Functional Networks," *Science* 291:630-633	
	50.	Kaczorowski et al. (1996) "Co-Operativity of Hexamer Litigation," *Gene* 179:189-193	
	51.	Kim et al. (1998). "AFM Study of Surface Phenomena Based on C_{60} Film Growth," *Applied Surface Science* 130-132:602-609	
	52.	Klien et al. (2001). "Ordered Stretching of Single Molecules of Deoxyribose Nucleic Acid Between Microfabricated Polystyrene Lines," *Applied Physics Letters* 78(16):2396-2398	
	53.	Kobayashi et al. (2000). "Imaging of Fullerene Molecules on Si(111)-7 7 Surface withNC-AFM," *Applied Surface Science* 157:228-232	
	54.	Kotler et al. (1993). "DNA Sequencing: Modular Primers Assembled from a Library of Hexamers or Pentamers," *Proc. Natl. Acad. Sci.* 90:4241-4245	
	55.	Liu et al. (1998). "Fullerene Pipes," *Science* 280:1253-1256	
	56.	Michalet et al. (1997). "Dynamic Molecular Combing: Stretching the Whole Human Genome for High-Resolution Studies," *Science* 277:1518-1523	
	57.	Nicewarmer-Pena (2001). "Submicrometer Metallic Barcodes," *Science* 294:137-141	
	58.	Odom et al. (2002). "Single-Walled Carbon Nanotubes," *Ann. N.Y. Acad. Sci.* 960:203-215	
	59.	Ondarcuhu et al. (2000). "Parallel Fabrication and electrical Characterisation of Carbon	

Examiner Signature		Date Considered	4/12/2007

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Sheet	3	of	13	Attorney Docket Number	070702006420

		Nanotube Hybrid Molecular Devices," 2 pages.	
	60.	Shoenfeld et al. (1996). "Formation Si Quantum Dots in Nanocrystalline Silicon," *Solid-State Electronics* 40(1-8):605-608	
	61.	Uchihashi et al. "Application of Noncontact-mode Atomic Force Microscopy to Molecular Imaging," located at <http://www.foresight.org/Conferences/MNT7/Abstracts/Uchihashi/> visited on July 3, 2002. (2 pages).	
	62.	Wildöer et al. (1998) "Electronic Structure of Atomically Resolved Carbon Nanotubes," *Nature* 391:59-62	
	63.	Woolley et al. (2000). "Direct Haplotyping of Kilobase-SizeDNA Using Carbon Nanotube Probes," *Nature Biotechnology*, 18:760-763	
	64.	Li, "Biological Application of AFM," located at <http://www.chembio.uoguelph.ca/educmat/chm/729afm/applicat.htm> visited on July 12, 2002. (2 pages).	
	65.	"Carbon Nanotubes," <http://www.1rsm.upenn.edu/nanophysics/nanotubes.html> visited July 2, 2002. (2 pages).	
	66.	Fischer et al. "Carbon Nanotube-Derived Materials," located at <http://www.1rsm.upenn.edu/1rsm/IRG_2.pdf> visited July 12, 2002. (pages 32-41)	
	67.	Venema et al. "Imaging Electron Wave Functions of Quantized Energy Levels in Carbon Nanotubes," *Los Alamos Physics Preprints:condmat/9811317* 23	
	68.	Boutorine, A. (1995). "Fullerene-Oligionucleotide Conjugates: Photo-Induced Sequece-Specific DNA Cleavage," *Angewandte Chemie*. 33(23/24):2462-2465	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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